

This listing of claims presented below replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) ~~An improved~~ A process for the preparation of fatty acid alkyl esters suitable for use as biodiesel, said process comprises the steps of[,] :

- a) reacting fatty acid glycerides with an alcohol having 1-4 carbon atoms in a molar ratio of 3:1 to 30:1 of fatty acids ~~and to triglycerides~~ respectively, at a temperature ranging between 70-300°C, pressure in the a range of 1-30 bar, in presence of a organometallic catalytic compound of Tin with tin wherein the concentration of catalyst is ~~in the a~~ range of 0.01 to 3 weight percent of the fatty acid glycerides;
- b) obtaining fatty acid alkyl esters ~~esters~~ with glycerol;
- c) separating the glycerine from the fatty acid alkyl ester as immiscible phase by decantation;
- d) purifying the fatty acid alkyl esters by washing with water, and
- e) treating the washed ester is treated with an a basic adsorbent to obtain biodiesel.

2. (Currently Amended) ~~A~~ The process as claimed in claim 1, wherein fatty acid glycerides are selected from the group consisting of vegetable oil, animal oil, and acids ~~or a mixture~~ and mixture thereof.

3. (Currently Amended) ~~A~~ The process as claimed in claim 1, wherein the adsorbent is selected from the group consisting of bauxite, alumina, silica-alumina and distillation or a combination ~~combinations~~ thereof.

4. (Currently Amended) ★ The process as claimed in claim 1, wherein the catalyst is selected from the group comprising of dibutyl tin oxide and dioctyl tin oxide.
5. (Cancel)
6. (Currently Amended) ★ The process as claimed in claim 1, wherein the preferred temperature of the reaction is in the range of 150-200°C.
7. (Currently Amended) ★ The process as claim 1, wherein the treatment with adsorbent is carried out at 20-60°C.
8. (Currently Amended) ★ The process as claimed in ~~claims~~ claim 1, wherein the excess alcohol is recovered and recycled.
9. (Currently Amended) ★ The process as claimed in claim 1, wherein the biodiesel obtained has an acid value in the a range of 0.01-0.50 mg KOH/g.
10. (Currently Amended) ★ The process as claimed in ~~claims~~ claim 1, wherein the biodiesel obtained has viscosity in the a range of 4-7 cSt at 40°C.
11. (Currently Amended) ★ The process as claimed in ~~claims~~ claim 1, wherein the fatty acid alkyl esters produced are suitable for use as fuel in diesel engines, blending component for petrodiesel and as additive in petrofuel for enhancing lubricity, cetane number and biodegradability.